

SPAN WIRE LOADING NOTES:

Span wire shall be installed with 5% sag, under dead load, and shall be adjusted on the poles to provide the proper mounting height indicated. For installation of a single span (inline) or where pole clamp positions vary by more than six inches (6") a two-piece 180 degree separation clamp shall be used. Where the pole clamp positions are within the six inch (6") value a four-piece 90 degree separation clamp shall be used.

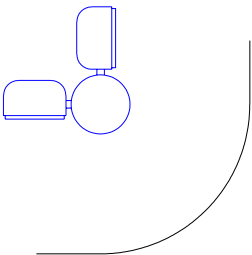
To calculate the pole clamp position for any span:

$P_{cp} = M + H + S$

Where "M" is the minimum road clearance of 16'-6"; "H" is the measured length from the bottom of the backplate to the suspension clamp of the inboard 3 section signal head and "S" is 5% of the total span

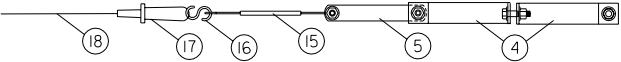
Compare with other span using this pole

$P_{cp} \leq P_{cp2} \leq 6"$  then separate pole clamps not needed

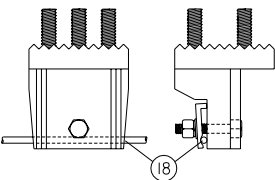


PEDESTRIAN HEAD ORIENTATION

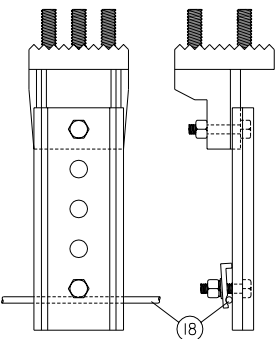
EXAMPLE: R-SW2-40-12T-6,5-0,25-PC  
R-ROUND  
O-OCTAGONAL  
SPAN WIRE POLE  
TYPE 1, 2 OR 3  
SL MOUNTING HEIGHT  
SL ARM LENGTH & TYPE  
6', 8' or 10' S-SINGLE  
10, 12' or 15' T-TRUSS  
(T IF TWIN ARM)  
UPSWEEP  
LAMP SIZE IN KILOWATTS  
PC-PHOTO CELL  
SC-SHORTING CAP



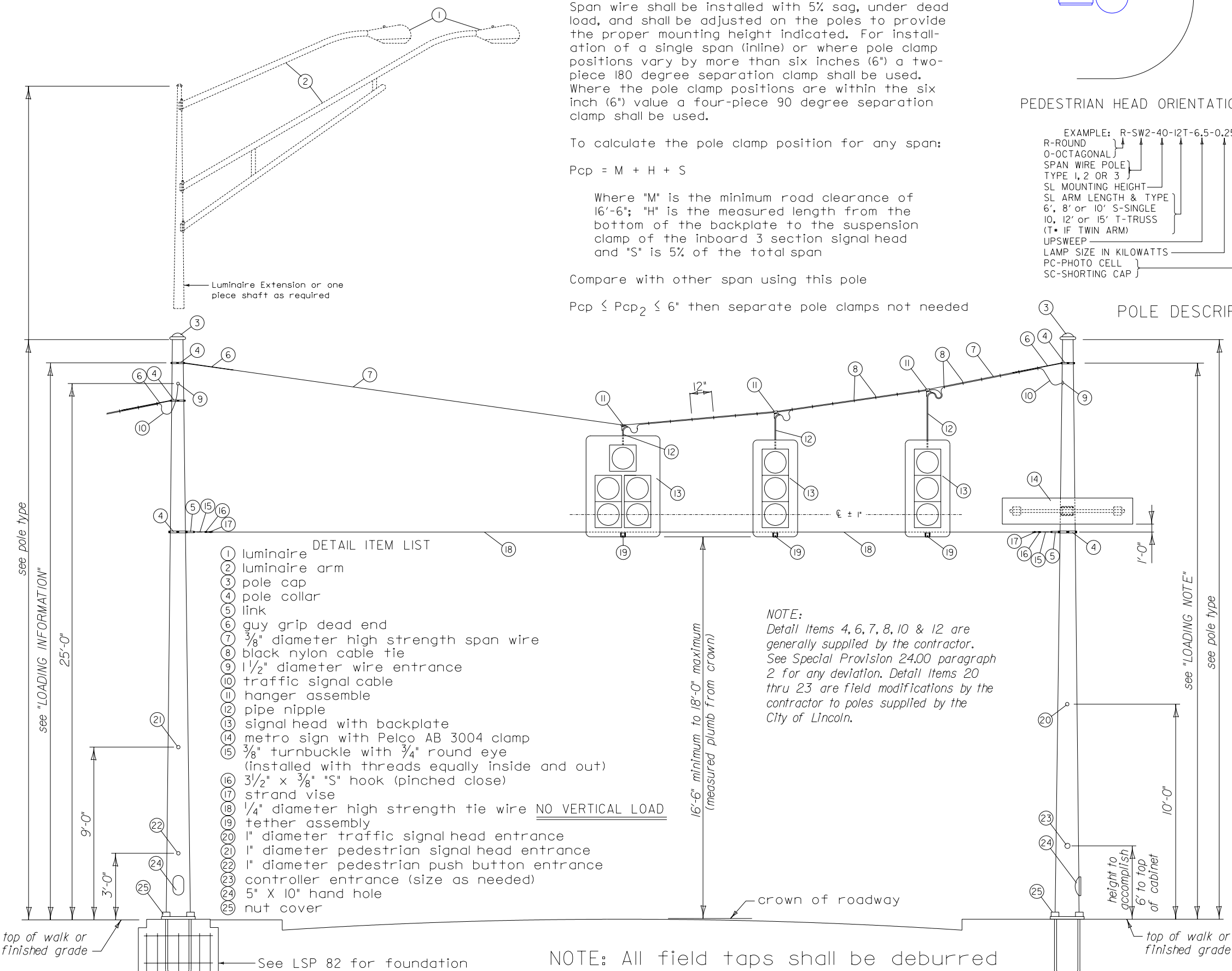
TIE WIRE SAFETY RELEASE



TETHER ASSEMBLY



TETHER ASSEMBLY WITH EXTENTION

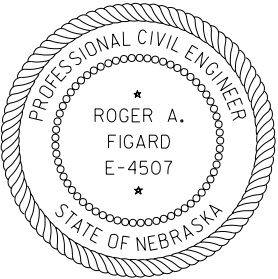


- DETAIL ITEM LIST
- 1 luminaire
  - 2 luminaire arm
  - 3 pole cap
  - 4 pole collar
  - 5 link
  - 6 guy grip dead end
  - 7 3/8" diameter high strength span wire
  - 8 black nylon cable tie
  - 9 1/2" diameter wire entrance
  - 10 traffic signal cable
  - 11 hanger assemble
  - 12 pipe nipple
  - 13 signal head with backplate
  - 14 metro sign with Pelco AB 3004 clamp
  - 15 3/8" turnbuckle with 3/4" round eye (installed with threads equally inside and out)
  - 16 3 1/2" x 3/8" "S" hook (pinched close)
  - 17 strand vise
  - 18 1/4" diameter high strength tie wire NO VERTICAL LOAD
  - 19 tether assembly
  - 20 1" diameter traffic signal head entrance
  - 21 1" diameter pedestrian signal head entrance
  - 22 1" diameter pedestrian push button entrance
  - 23 controller entrance (size as needed)
  - 24 5" X 10" hand hole
  - 25 nut cover

NOTE:  
Detail Items 4, 6, 7, 8, 10 & 12 are generally supplied by the contractor. See Special Provision 24.00 paragraph 2 for any deviation. Detail Items 20 thru 23 are field modifications by the contractor to poles supplied by the City of Lincoln.

NOTE: All field taps shall be deburred

TYPICAL INSTALLATION OF SIGNAL EQUIPMENT



NOTE: POLE MANUFACTURER TO STAMP ALL MAJOR COMPONENTS WITH POLE NUMBER

REVISIONS			SPAN WIRE POLES, INSTALLATION DETAILS	
NO.	BY	DATE		
1			CITY OF LINCOLN, NEBRASKA OFFICE OF THE CITY ENGINEER Date: 5-03 / CAW Scale: None No. Sheets 1 Sheet No. 1 PLAN NO. L.S.P. 87	
2				
3				
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